3: Pijoan D-5 (ca. 1945) 1946
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262 ralization can be directly applied to diets in the tropics: the galaxy of
177 nutritional factors are determined by the local situation and the food habits of the people.

164 The same can be said of tropical infectious disease. The variety of vectors, their ecological relations to circumstances determined by altitude, rains, swamps, climate and vegetation limit disease entities to special regions even though many diseases occur throughout the world. It must be remembered that to the diseases generally present among people are added those which are peculiar to a new environment and that modifications of a disease can take place. For instance, whooping cough is a serious disease attended with a high mortality rate in Central Nicaragua, whereas scarlet fever produces a mild disease often unrecognized. Whether the host or the organism is responsible for such a condition is not known and the problem of host and parasite interrelationships becomes a complex one.

THE MOSQUITO AREA: THE LOCAL SITUATION

101 The vast region on the Atlantic side of Nicaragua and Honduras is known by the name of Mosquito coast. It is inhabited buy four different tribes of Indians: The Miskito, the Suma (Sumu), the Paya, and the Rama. In some localities the Miskito, often incorrectly called
[144] Mosquito, have a considerable admixture of Negro blood and, for this reason, are in some places called Zambos. The other three tribes, however, are practically of pure Indian blood. In earlier times, the
101 western region of the Mosquito coast was occupied by the Matagalpa
197 Indians, whose language extended over a large area in Nicaragua and Honduras, but has been extinct for nearly half a century. However, a dialect of its is spoken to this day by the older inhabitants of the Salvadorean villages of Cacaopera and Lislique. Today the Indian languages of the area are somewhat interrelated, especially Matagalpa, Miskito, and Suma; Paya is an unrelated language.

101 The Miskito and small isolated bands of Suma Indians inhabit
361 the eastern side of Honduras and Nicaragua. They are found from the Río Tinto (lat. 15° 50′ N.) to Río Punta Gorda (Lat. 11° 30′ N.). The villages are located chiefly along the banks of the rivers as far up as the headwaters within the jungle proper. The Suma Indians are found primarily in the interior; they are somewhat uncommunicative, but cooperative. The Miskito are self-sustaining and at times derive ad-
[146] ditional income from labor with fruit companies, mining enterprises and rubber collecting agencies. Today they play an important part in the wild rubber collection program.

1: Conzemius M-4, 5 (1921) 1932
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DIVISION OF LABOR

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DOMESTIC WORK.—Such domestic industries as spinning, weaving, and the manufacture of pottery, bark cloth, and bead ornaments are female occupations. Tailoring is, however, frequently in the hands of the men, some of whom even make the clothes for their wives. The preparation of food is strictly reserved to the women, the men never condescending to do any cooking, except while away from home. The barbecuing of the chase is, however, the work of the men.

FIELDS.—The husband prepares a patch of the forest for the making of a plantation, by cutting down the trees and cleaning the ground by burning; but the care of the field, that is the planting, weeding, and reaping of the crop, is left to the women.

OTHER OUTSIDE OCCUPATIONS.—The manufacture of fishing and hunting implements, and of canoes and accessories thereto, are man's work. The women fish with the hook, but all other methods of fishing are reserved to the men. The latter fell trees for firewood and cut them into convenient lengths to haul, but the females have to fetch and split it. The woman goes to the waterside to bring the game which her husband has killed and brought in his canoe, but she never accompanies him on the actual hunt, being unacquainted with the handling of hunting weapons.

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LOAD CARRYING.—The carrying of heavy loads is usually left to the women. For this purpose they use a carrying strap, known by the local Spanish name "bombador" or "bambador." The latter consists of a narrow strip of bark cloth, both extremities of which are attached to the burden. The load is first lifted on the back with the assistance of another person and then the pack strap is put around the forehead. The male Indians do not carry anything in this manner, but they secure the package to the back with the aid of shoulder straps, as do the Ladinos. The Spanish-speaking women, however, carry loads generally upon the head, as is the case with the negroes of both sexes. When very tired the Indians give a sort of whistle to catch their breath (M.: *wiāka puhbaya;* T. & P.: *wiāka wupdanin;* U.: *wiāka wupdanaka*, lit.: "to blow the breath").

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DAY LABOR WORK.—In former days many young Miskito, living to the west of Cabo Gracias a Dios, went annually to British Honduras to work there in the mahogany or logwood camps. They left about May and returned in November or December. During this time the settlements on the coast were practically without male inhabitants, except for the boys and old men. The women then had to subsist on fish, crabs, oysters, cockles, the eggs of alligators, turtles, and iguanas, and vegetable food. Now all these Indians easily find work in their own country, either in the mahogany camps or in the

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1: Conzemius M-4, 5 (1921) 1932
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gold mines; or they work as paddlers on the rivers, which are practically the only means of communication.

The Sumu, on the other hand, are more timid and less enterprising. They are unwilling to leave their wives and children for a length of time in order to work for the benefit of the white men. Besides, even to this day, their wants are few, and they can easily do without practically any article of foreign manufacture. Formerly, however, many of them were active as rubber bleeders, but owing to East Indian competition, the export of that commodity from the Mosquito Coast has stopped altogether.

TRADE AND BARTER

INTERCHANGE OF COMMODITIES.—Among such rude hunting and fishing tribes as the Miskito and Sumu only a very restricted trade can have existed in former days. The rivers, lagoons, and the sea were practically the only means of communication, and this is still the case. The interchange of commodities was generally effected by barter. The Miskito appear to have also employed beads of sea shells as money, while the Sumu of the interior used cacao beans for the same purpose.[38] We are told by M. W. (304) that these two tribes, which were continually in a state of hostility, observed a truce on appointed days; they then met on an island in the lower Rio Coco for the purpose of trading.

These Indians live under an almost perfect equality, and there are no rich or poor among them. They do not strive to accumulate wealth, and the great unwearied exertion, found among our civilized societies, is unknown among them.

FORMER ARTICLES OF BARTER.—The Miskito used to evaporate salt from the water of the sea and lagoons and collect pretty sea shells suitable for beads. These commodities were exchanged with the Sumu for pottery, cotton goods, hammocks, bark cloth, and rough canoes.

During the latter part of the seventeenth century, and for many years following, the Miskito undertook daring sea voyages as far south as Chiriqui Lagoon in Panama, and occasionally even beyond that region. These expeditions were, however, not organized with peaceful trading in view, but for the purpose of stealing cacao from the Spanish settlers at Rio Matina (Costa Rica), and capturing Indians to be sold to the English traders of Jamaica.

PRESENT-DAY COMMODITIES.—Nowadays the Indian's wants from the outside world are many. The Miskito, who are less primitive than their neighbors, were already in commercial relations with

[38] According to G. N. Collins (see Safford in Smithsonian Report for 1916, p. 421) this use still persists in the Mexican State of Chiapas.